SmartSense B2 Sensor

Temperature and Humidity Monitoring Sensor

The SmartSense B2 Sensor is a compact and feature-rich environmental sensor and data collector designed for applications that require a minimal footprint. B2 Sensors collect temperature and humidity data every 30 minutes and report this data to the SmartSense cloud dashboard via a SmartSense BZ Gateway. In the event of a BZ Gateway power or communication disruption, B2 Sensors will store sensor readings and then forward them to a BZ Gateway after power or communication is restored, which ensures uninterrupted data reporting.

Actual Size

Features

- Compact design with NSF-grade enclosure.
- Temperature and humidity monitoring.
- Over-the-air updatable software.
- Store-and-forward capable.
- Push button activation.

Specifications

Product SKU	TM-BSENSOR
Dimensions	2" x 2" x 0.71" (51mm x 51mm x 18mm)
Communication Range	300 feet*
Communication Interval	Default 30 minutes
Communication Method	Bluetooth® 5.0
Temperature Operating Range	-20°C to 60°C (-4°F to 140°F)
Temperature Accuracy	±0.5°C (1°F) max
Humidity Accuracy	±3%RH max
Battery Life	Up to 4 years**
Battery Type	3V Lithium
Enclosure	NSF food contact and water resistant***
Warranty	1 Year

* Actual communication range will depend on RF environment
** Actual battery life will depend on communication interval and environmental conditions including operating temperature
*** Manufacturing test data indicates that this device will maintain normal functionality after being submerged under one meter of water for 30 minutes. These statements have not been independently verified by a laboratory.

For more information about SmartSense B2 Sensor

visit **www.smartsense.co** or call **+1 (866) 806-2653**

Effective Date: 6/10/25